Mugsar□□□□ ^{4}-way

Proto Cuneiform Exercise

Spreadsheet of Shaĝan

□□□

⁖ □□ docs.google.com/document/d/1m...

P005070

83 × 56 × 18 mm

Google Album: photos.app.goo.gl/5v4VN5H4WvVTCjhJA

□□□

The World of Shaĝan □ millennia

Entrepreneur | Butter / Oil Producer | Spreadsheet Pioneer | Philanthropist

1 □□□ 2 □□□ 3 □□□ 4 □□□ + □□□ + □□

□□□

□□ Shaĝan □tab-set Free Trial » Buy for US$0.50 (updates free)

It's all basically donations for our development » MCFC invoice

Simply use our paypal.me/mugsar

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best viewed in dark mode

Source Tablet

cdli.mpiwg-berlin.mpg.de/artifacts/5070

MSVO 1, 003 CDLI P005070
Administrative tablet excavated in Jemdet Nasr – one of the oldest Sumerian cities (Babylon Governorate or Babil Province 108 km south of Baghdad).
Dated to the Uruk III period 𒌋 millennia. Kept in Ashmolean Museum Oxford, No: Ashm 1926-0577 { 🎂 Centennial 🎉 😏 }

Introduction

P005070 was originally cataloged in '1924. The first line art was done by Stephen Langdon ('28). In '91 Robert Englund did a more detailed reconstruction (see History below).
It is basically one of the first math tables / spreadsheets – the obverse & reverse-R layout area = "length" x "width" / (N57/58) of "field" allotments to various officials / hierarchy.
The reverse-L shows the grand total area of all fields.
The overall "land" was owned by Shaĝan who not only produced butter (Append.) for these recipients, but pioneered the spreadsheet to account for the whole process. His 'a ha' moment was envisioning repetitious square fields length x width onto a tablet with various inter-related conversions and totals, starting with what becomes cell A1.
These fields within his land were used to graze livestock, with their number allotted in proportion to the field area.
The field size allotted to the Lord (rev-R) is by far the largest.

Shaĝan
Spreadsheet Pioneer & Butter Producer

Thus, the eerie *Jungian Synchronicity* of the Mugsar exercise – stumbling onto P005070 in '2024 exactly 100 years after that first catalog notation "1924 577" on the side, and that the already revered Englund happened to have his indelible fingerprints on the project. Bob (the famous BBQist) used his legendary proto cuneiform expertise to show us, in all its glory, the epitome of the epochal work of the very first recorders of technology, some astounding 5,200 years ago.

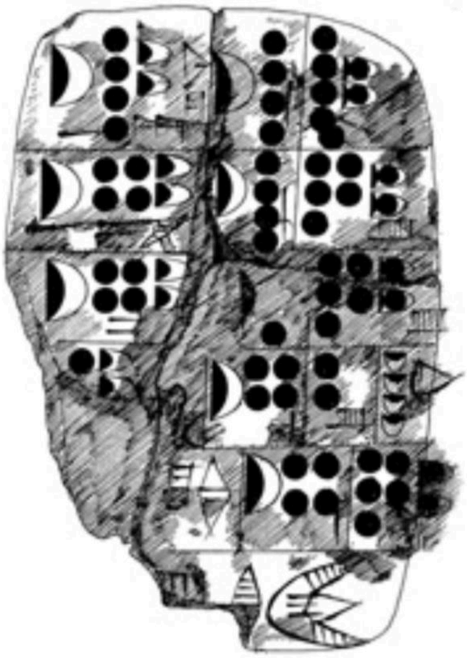
Why should such knowledge and achievement be suppressed in K-12 education?!

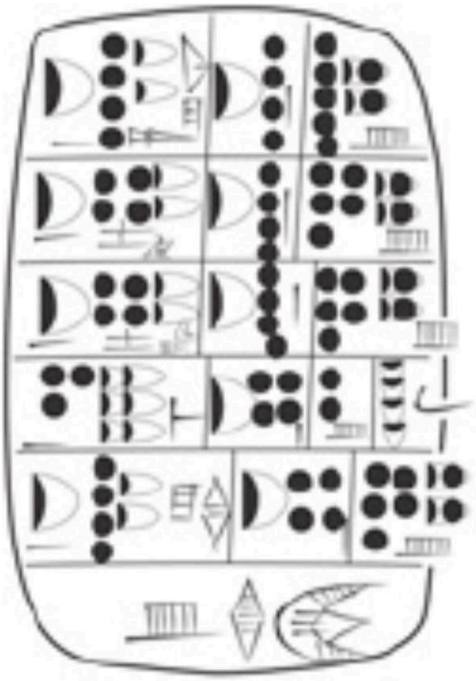
👨‍💻 all made with my trusty e_{23}-dub
/ electronic & (👆) 😏
{ie. not with a $200k tenured Professor's fancy soft/hardware}
2xii12024CT

obverse 📋

partly legible
[xxx] barely legible or reconstructed

Ashm. 1926-577





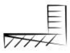
Reconstructed

1.a1. {sar units} 👉 Layout map

1 60-N34 4x 10-N14 2x1(N01)

102 (ninda)

?#



EN~c#

[?] N57 [length of field allotment]

the length, of the wife of the lord

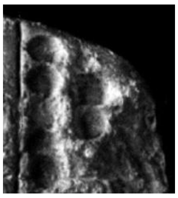
1.a2. {sar units}

# #

100

[?] N58 [width of field allotment]

1.b. {equiv. bur_3 units}



5 ⅔

5 bur_3 2 $eše_3$

field GAN_2

calc: 102 × 100 = 10,200 sar = 5⅔ bur_3

Total Lord Wife

5⅔ x 1800 = 10,200 sar

Area calc conversion: 1.a1. length x 1.a2. width in sar = 1.b. in bur_3

□ sar is the basic unit of land measurement.
Larger units like iku and bur_3 are derived from the sar.

1 sar = 1 garden plot = 1 sq. nindan = 36 sq. m (6x6m)
100 sar = 1 iku = 1 sq. $eše_3$ = 3,600 sq m [60x60m] = 0.9 acre
18 iku = 1 bur_3 = 1800 sar = 16 acres

2.a1.

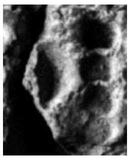
102 (ninda)

PA~a# - GIR3@g~b#

[?]

the length, of the equid herder

2.a2.

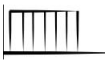


60 40

[?]

2.b.

5 bur3 2 eše3

 #

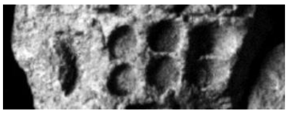
field

calc: 102 × 100 = 10,200 sar = 5 2/3 bur3

Total Equid Herder

5⅔ x 1800 = 10,200 sar

3.a1.



102 (ninda)

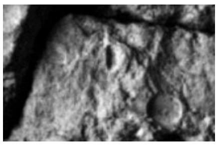
[□ (big)]

SZAB~a#

[□]

the length, of the chief trade agent

3.a2.

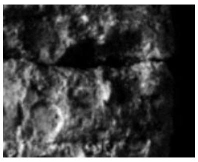


[ ] #

100

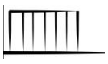
[□]

3.b.



# #

5 bur3 2 eše3

 #

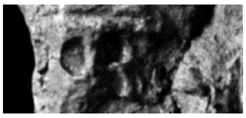
field

calc: 102 × 100 = 10,200 □ = 5 2/3 bur3

Total Chief Trade Agent

5⅔ x 1800 = 10,200 sar

4.a1.



[?]

36 4/10 (ninda)

□#

ME 12228

[□]

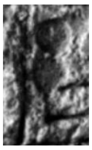
the length, of the Gov. [Tax??]

4.a2.

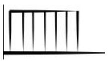
100

[?]

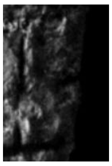
4.b1.



2 bur3

 #

4.b2.



#

4/10 iku

#

perimeter

calc: 36 4/10 × 100 = 3, 640 sar = 2 bur3 + 4/10 iku

Total Gov.

2 x 1800 + 0.4 x 100 = 3640 sar

(incl. 40 sar wooded perimeter)

5.a1.

102 (ninda)

[?][?]

NAM2# DI

[[?]]

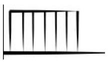
the length, of the chief justice

5.a2.

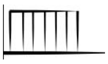
100

[[?]]

5.b. (R-edge)

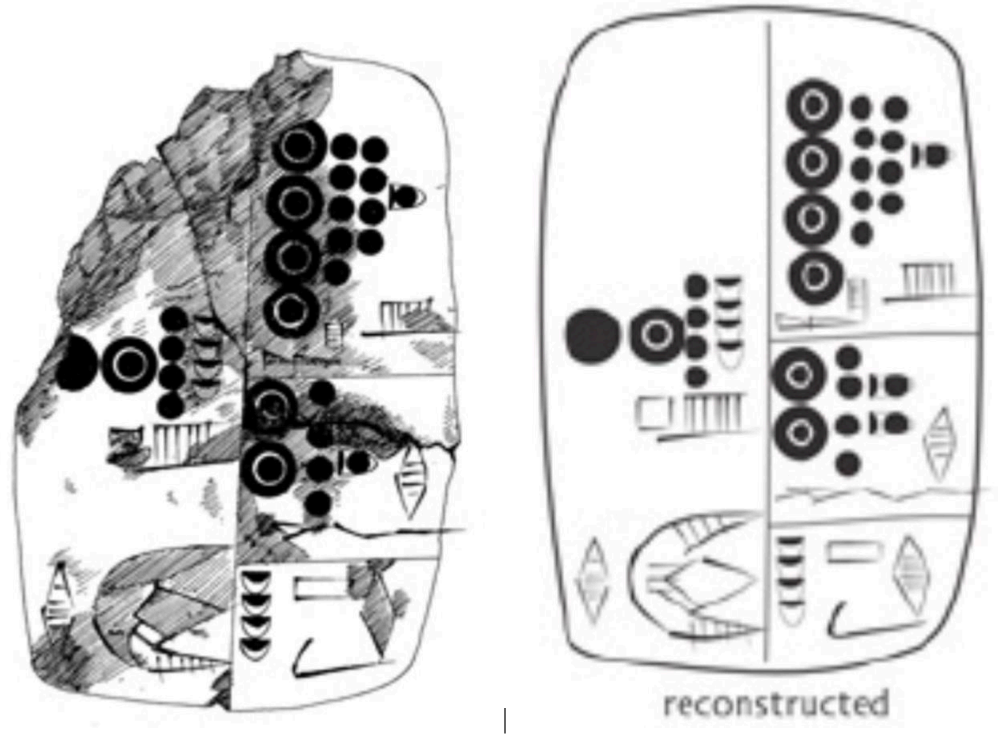
[ ]
5 bur3 [2 eše3]
 #

calc: 102 × 100 = 10,200 sar = 5 2/3 bur3
Total Chief Justice
5⅔ x 1800 = 10,200 sar

6. , [...]  # KI# SZAGAN
... field, land of the Shaĝan

reverse

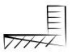
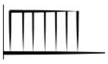
Google Album: photos.app.goo.gl/5v4VN5H4WvVTCjhJA



{top R: Lord field – fixed / carry-forward balance, being 50% of productive land, thus, doesn't require length x width breakdown repetition}

1. # #
49 bur3 1 eše3

calc in bur3: 24 2/3 × 2 = 49⅓
Total Lord
1800 x 49⅓ = 88,800 sar

 #  #
field of the lord
..

{mid-R: total other officials / hierarchy – the Lord allows them to split the remaining 50% of the land, less Gov. Tax field}

2.
24 bur3 2 eše3

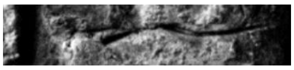
calc in bur3: 5 2/3 + 5 2/3 + 5 2/3 + 2 + 5 2/3 = 24⅔

Total Other Officials

1800 x 24⅔ = 44,400 sar

{10,200 x 4 = 40,800 Others + 3600 Gov.}
(excl. Gov.'s wooded perimeter 40 sar)

KI (land)



BU~a#

(done /) measured

..

{bot. R: wooded perimeter of Gov.'s field:
unusable for grazing livestock}

3.
4/10 iku

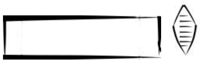
calc in iku 4/10 = 4/10

Total (Gov.'s) wooded

0.4 x 100 = 40 sar

Grand Total ✅

88,800 + 44,400 + 40 = 133,240 sar



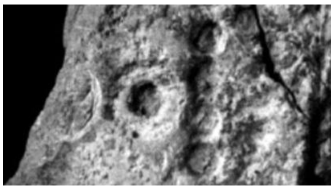
GISH-KI#

BAR

wooded land
perimeter

..

{mid L: Grand Total of all fields}



□#

1 šar2 14 bur3 4/10 iku

calc: 49 bur3 1 eše3 + 24 bur3 2 eše3 + 4/10 iku
= 1 šar2 14 bur3 4/10 iku

49⅓ x 1800 + 24⅔ x 1800 + 40
88,800 + 44,400 + 40
133,240 sar

= 1 šar$_2$ 14 bur$_3$ 4/10 iku
= 108,000 + 14 x 1800 + 0.4 x 100
= 108,000 + 25,200 + 40
GRAND TOTAL
= 133,240 sar = 1332 iku = 1200 acres = 2 sq miles

.

1 iku = 100 sar
1 bur$_3$ = 1800 sar
1 šar$_2$ = 60 bur$_3$
1 šar$_2$ = 60 x 1800 = 108,000 sar

□□
LAGAB~b# [GAN2]
total [field]

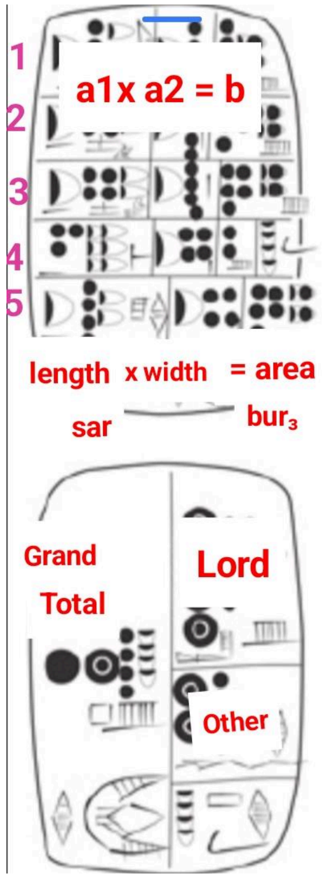
{bot. L}

KI SZAGAN

~~land~~ □ □ *Spreadsheet* of the Shaĝan □□ 😏

..

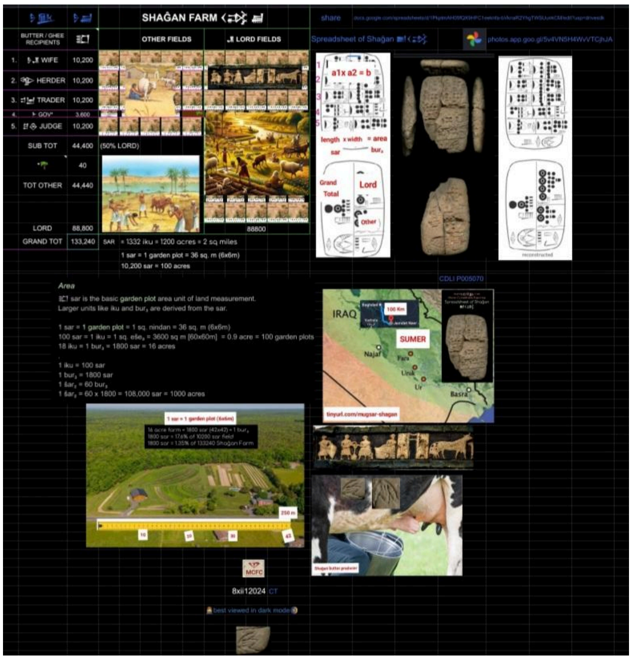
Layout



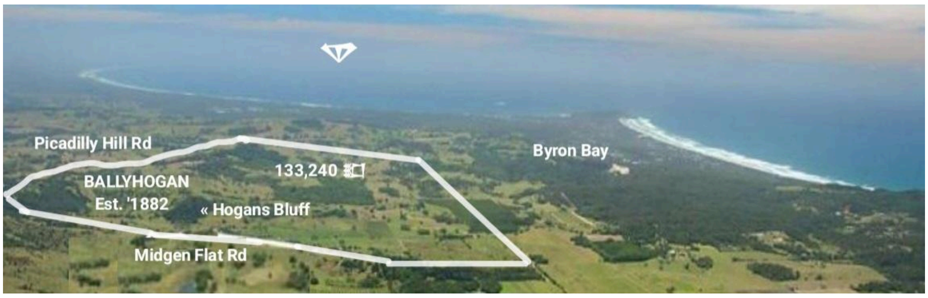
photos.app.goo.gl/z3EEEHUwBaKLBcuXA

..

Shaĝan Farm – Google Sheets



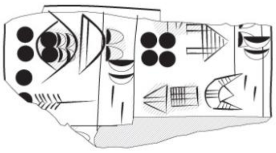
docs.google.com/spreadsheets/d/1Pk...
tinyurl.com/shagan-farm



How big is 133,240

..

Shaĝan House P005429



..

P005070 Centennial

’1924 - ’2024

Obv & Rev

1924.577

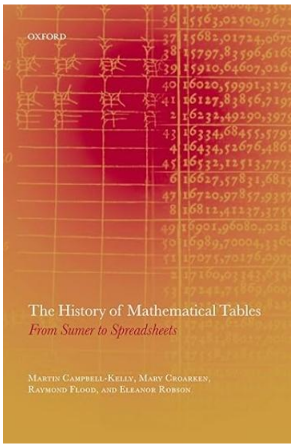
nnNotes

Ref.:
» 24210r-archaic-numerals

» Proto account books Englund

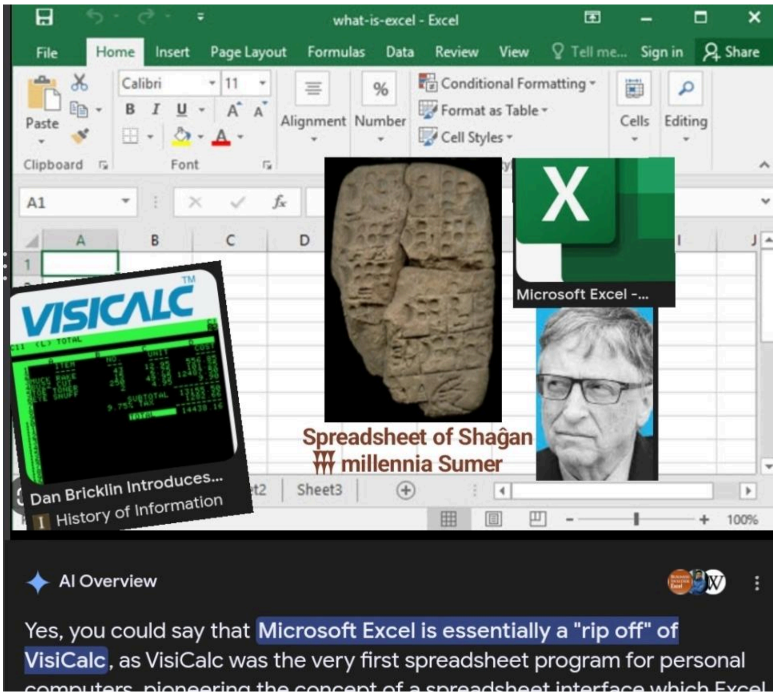
» Proto Cuneiform Englund

» Sumerian Math Tables Dev Robson



The History of Mathematical Tables: From Sumer to Spreadsheets – Martin Campbell-Kelley et al
amazon.com/History-Mathematical-Tables-Sumer-Spreadsheets/dp/0198508417/

cf. Micro$oft Excel – they really should have the Sumerians + VisiCalc co-founders '79, Dan Bricklin + Bob Frankston emblazoned on top with a cell recalcing how much money Bill Gates has pocketed plagiarizing from their work.



Bill Gates Excel rips off Sumerians Shaĝan + VisiCalc

photos.app.goo.gl/jYJcD1QAoeQYKzcH7

Sumerian Measurement

At the base of the system is the barleycorn, še / ‘she(kel)’ □ 122BA used for the smallest unit in length, area, volume and weight.

Other key units are:
□ sar 122AC (garden-plot) for area and volume
□ kuš$_3$ ‘kush’ 12311 (cubit) for length
□ sila$_3$ 122E1 sila for capacity
□□ mana {» *money*} 12220-1223E for weight

Most of the conversion factors are simple fractions or multiples of the base 60.
.

Length

Smallest unit of length is the barley corn/grain □ še / she = ⅓ inch = 8.4 mm {which would be lifted by many cultures down to the present as their base for money / shekel and shoe sizes}

barley grain on a finger

6 she = 1 shu-si = 2 inches = 50mm = 1 finger
30 shu-si = 1 kush = 1 cubit = ½ m
6 kush = 1 gi (reed) = 3m
12 kush = 1 nindan = rod/pole = 6m
10 nindan = 1 eše$_3$ = 1 rope = 60m
60 nindan = 1 ush = 360m
30 ush = 1 beru = 11 km
.

Area

□ sar is the basic garden plot area unit of land measurement.
Larger units like iku and bur$_3$ are derived from the sar.

1 sar = 1 garden plot = 1 sq. nindan = 36 sq. m (6x6m)
100 sar = 1 iku = 1 sq. eše$_3$ = 3600 sq m [60x60m] = 0.9 acre = 100 garden plots
18 iku = 1 bur$_3$ = 1800 sar = 16 acres
.
1 iku = 100 sar
1 bur$_3$ = 1800 sar
1 šar$_2$ = 60 bur$_3$
1 šar$_2$ = 60 x 1800 = 108,000 sar = 1000 acres
.
1 bur$_3$ = 1 beru long by 1 nindan wide {11km x 6m = canal / road section}

In metrological systems such as systems $G_{\text{Ur III/OB}}$ and $C_{\text{Ur III/OB}}$ where some units are indicated by the type of numeral rather than an overt unit sign, it is common practice to add the unit in parentheses in transliteration; for instance, from [P386847, obv. 1] is transliterated "1(eše$_3$) 5½ iku[80] 7 sar" in [Feu04, vol. 2, p. 176], and from [P307255, obv. 12] is transliterated "1(n[81]) 2(b) 7 ½ sila$_3$" in [Feu04, vol. 2, p. 151].

This practice has been generalized to systematically indicate numeral shape; this is in particular the case in [CDLI], where the transliterations of some the above examples are "1(gesz2) 3(u) 5(asz) gur" for , "1(esze3) 5(iku) 1/2(iku) GAN2 7(disz) sar" for , and "3(barig) 2(ban2) 7(disz) 1/2(disz) sila3" for . [CDLI] and [ePSD2] both distinguish curviform from cuneiform numerals in transliteration: the length from [P020129, rev. 2 1] is transliterated "6(gesz2@c) 3(u@c) {ninda}nindax(DU) 1/2(asz@c) 4(disz@t) gi" in [CDLI], and "6(geš$_2$^{c}) 3(u^c) ^{ninda}ninda$_x$(DU) 1/2(aš^c) 4(diš^t) gi" in [ePSD2]. Another

24210r-archaic-numerals

Volume

Volume units are the same as the area units and follows the relationship that
1 volume-unit = 1 area-unit x 1 kush (cubit = ½m).

Thus, a volume-sar is the volume of the solid with base 1 area-sar and height 1 kush.

Bricks are considered to be rectangular solids such that 720 bricks make one brick-sar.

volume example – making a mud wall:
im-du8-a-bi 4⅔ sar ½ gín 22½ še

 clay IM 1214E
 bake du8 120EE
 water A 12000
 mix BI 12149

.

Capacity

used for measuring volumes of grain, oil, beer, etc.
The basic unit is the sila, about 1 liter
180 she = 1 gin
60 gin = 1 sila = 1 liter
10 sila = 1 ban
6 ban =1 bariga
5 bariga = 1 gur

.

Weight

The basic unit of weight is the mana = ½ kg
180 she = 1 gin / shekel 12086 = 8g
60 gin = 1 mana = ½ kg
60 mana = 1 gu$_2$ / talent 12118 = 30 kg

.

more » stlawu.edu/~dmel/mesomath/obmetrology...

.

Obv | Rev

Numbers

⅓ N22 1258C (of 10} eše$_3$ ⅔

½ or N08 12559 1255C

N01 1 iku = 100 sar 12550 (sm 60 N34) 12551 12555

• N14 10 12562 (sm N45 ?) 20 12563 30 12564 40 12565 50 12566 90 1256A

N34 60

N48 600 = N34 60 x N14 10

1(bur$_3$^{c}) 1(eše$_3$^{c}) 1(iku^c) 1/2(iku^c)

• bur$_3$ = 1800 □ sar

bur$_3$ x 10 = 1800 x 10 = 18,000 sar N50

? 1 šar$_2$ = 60 bur$_3$ N45 122B9

1 šar$_2$ = 60 x 1800 = 108,000 sar

.

? N57 = length [of field allotment]*

? N58 = width [of field allotment]*

* P005070 appears to denote receiver / owner field allotments;
also N57 & N58 exception for proposed (Oct. '24) unicode additions
– extract:

In addition, the following are not included:

— N_{10}. Only attested in [P001319] according to [DE87, p. 143], but that text now has N_{11} in its [CDLI] transliteration. Not in [Eng23].

— N_{57} and N_{58}. Dependent on the main proto-cuneiform proposal, whose rationale will justify the disunification from ⟝ and ⟙. These should be encoded in a different block to avoid confusion with ⟝ and ⟙, since the Archaic Numerals block contains numerals unifiable between Pcun and Xsux.

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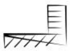
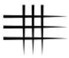
Sign Ref.

□ □

? female proto MUG 122A9

 EN-a proto ? lord EN 12097

 U$_2$ -a 126AC proto ? plants food 12311

U$_2$ -b 126AD proto ? plants food 12311

BAR-a 12611 proto ? perimeter [/split] BAR 12047

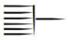
BU-a 12612 proto ? measure 1204D

.

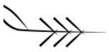
GIR$_3$ @g-b 12639 proto ? foot agent equid ŋir$_3$ 1210A

PA-a 12682 proto ? overseer 1227A

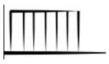
SHAB-a 12699 proto shab (IB) ?? merchant (? plant/wood determinative ŋeš 12111-) 12141; cf. also sealed bulla » oracc.museum.upenn.edu/epsd2/sux/o0038567)

 GAL-a 1262D proto ? big GAL 120F2

.

 GI-a 12634 proto □ reed stylus 12100

.

 GAN$_2$ -a 12630 proto □ field, unit of area iku^deter. 120F7

.

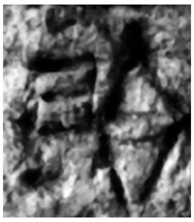
1263B {long rectangle} proto □ wood gish ŋiš ŋeš 12111

.

12653 proto KI □ land cosmic 121A0

.

NAM$_2$ 12672 proto □ chief (big ass/boss) 121AA



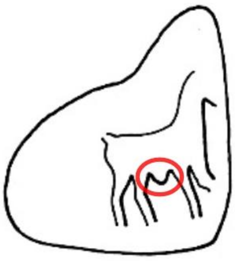
□□ Chief Justice 5.a1 NAM$_2$ -DI 121AA-12072

.

□□□□ 6. field, land of the Shaĝan butter supplier gan$_2$ -ki-šaŋan 120F7 121A0 1230B-120F6

.

□□ šaĝan official, trader, butter producer 1230B-120F6
□□□ saĝankeš$_2$ official (compiler) ~ 1219F
□□□ Spreadsheet of Shaĝan 121A4 ~
□□□ ka-šaŋan chief oil (/ghee) maker 12157 ~ (P. Steinkeller, SDU '89)
oracc.museum.upenn.edu/epsd2/sux/o0031701
Then there's Shaĝan Farm Logo on the side of P005429 » see Shaĝan House



Shaĝan Farm Logo
P005429

Based on other tablets found there NIRU [□□ oil producer city 1224C-12291] is thought to be the original name of Jemdet Nasr (Arabic).

wikipedia.org/wiki/Jemdet_Nasr – Note 2. Englund, Robert K., "Proto-Cuneiform Texts from Diverse Collections" MSVO 4 Berlin… '96

CDLI P220914

o i 1. 4(ašc) dug i$_{3}$-ir-a giri$_{3}$

o i 2. dug kur-bi 2(dišt)-am$_{6}$

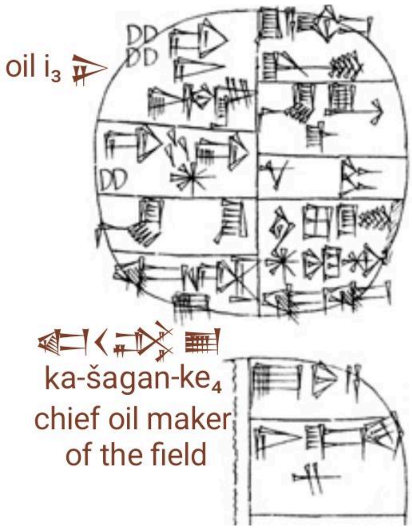
o i 3. en-šu

o i 4. ka-šagan-ke$_{4}$

□□□ □

12157 1230B 121A4

chief oil maker of the field



□ oil butter i$_{3}$ NI 1224C 118/989@EDIIIa/b

oracc.museum.upenn.edu/epsd2/sux/o0030477

□□ INUN ghee clarified butter i$_{3}$-nun 1224C-12263

oracc.museum.upenn.edu/epsd2/sux/o0031188

(see Append. below)

.

Uruk: Government vs Temple Hierarchy

Shaĝan's glimpse into his life suggests a secular environment particularly his use of □ ME (4.a1.) connotes Sumerian 'Arts of Civilization' 12228%, rather than a more obvious sectarian sign.

Also note this excerpt from Wik.:

"…The function of these buildings, which are unparalleled in their size and the fact that they are gathered in monumental groups, is debated. The excavators of the site wanted to see them as 'temples' … conforming to the theory of the 'temple-city'.

However, it is possible that this is actually a place of power formed by a complex of buildings of different forms desired by the dominant power in the city…

In any case, it was necessary to invest considerable effort to construct these buildings, which shows the capacities of the elites of this period.
Uruk is also the site of the most important discoveries of early writing tablets, in levels IV and III, which corresponds to the Jemdet Nasr period, sees a complete reorganisation…
Uruk's legacy was preserved through the development of cuneiform, which improved on Uruk writing systems, and the popularization of myths such as the Epic of Gilgamesh and the Great Flood."
» wikipedia.org/wiki/Uruk_period#Uruk

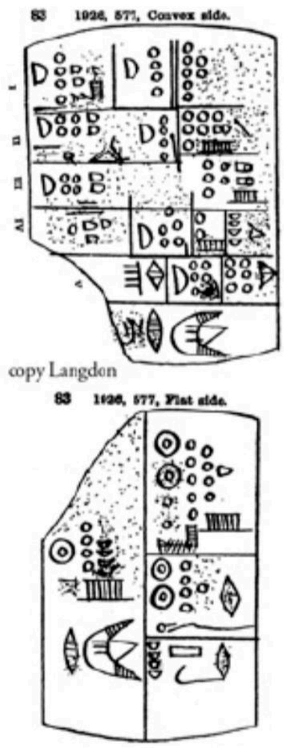
..

Obv | Rev

..

History

Englund '1991 MSVO1
Langdon '1928 OECT7
Liverani '1996 landscape
Englund '1991-0;1429303



Stephen Herbert Langdon
'1876 - '1937

Transliteration history

MSVO 1, 003 (P005070)

cdli.mpiwg-berlin.mpg.de/artifacts/5070/history/atf

Update made on 2017-02-19 at 21:23:46 by Englund, Robert K. for Englund, Robert K.

```
&P005070 = MSVO 1, 003
#atf: lang qpc
@tablet
@obverse
1.a. 1(N34) 4(N14) 2(N01) , 1(N57) EN~c# SAL#
1.a1. 1(N34) 4(N14) 2(N01) , 1(N57) EN~c# SAL#
#tr.en: 102 (ninda), the length, of the wife of
1.b. 1(N34)# 4(N14)# , 1(N58)#
1.a2. 1(N34)# 4(N14)# , 1(N58)#
#tr.en: 100, the width:
1.c. 5(N14) 2(N22) , [GAN2]
1.b. 5(N14) 2(N22) , [GAN2]
#tr.en: 5 bur3 2 eše3 field,
```

Robert Keith Englund
‘1952 - ‘2020
CDLI Obit.
Proto account books Englund
Other Publications & Articles

Bob Englund UCLA Expert Proto Cuneiformist & BBQist

PROTO-CUNEIFORM ACCOUNT-BOOKS AND JOURNALS - Englund

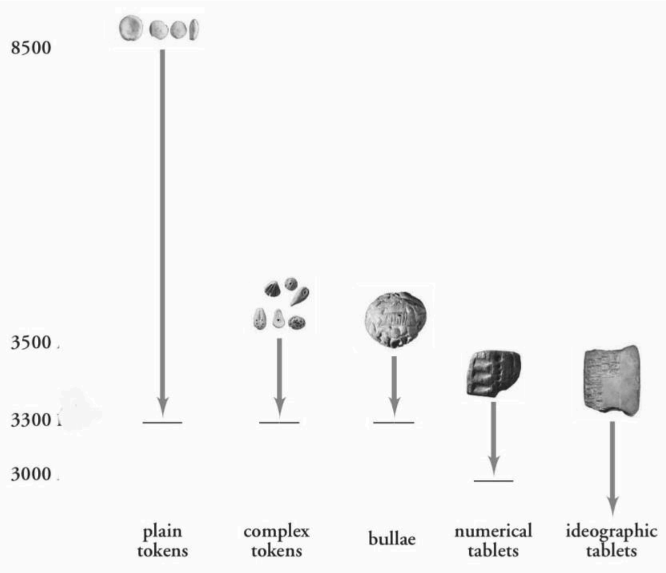


Figure 2: Schmandt-Besserat's writing history

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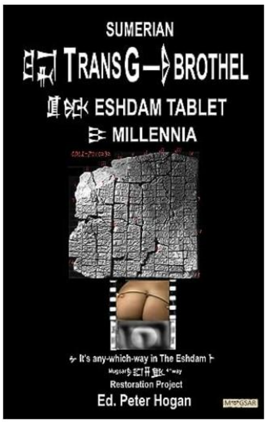
Sumerian bulla
(sealed clay envelope)
6 millennia - tokens evolved into writing
..



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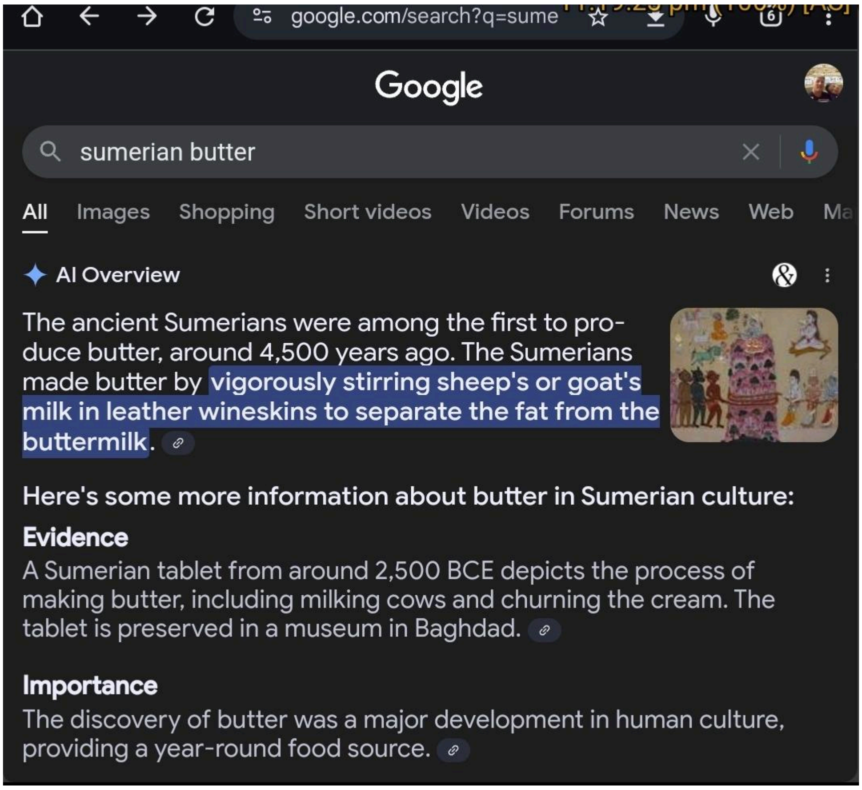
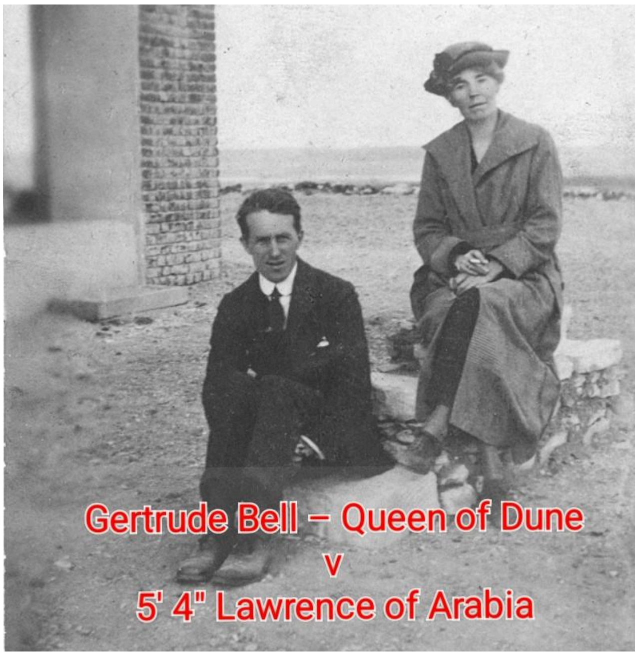
Appendix – Gertrude Bell's Milking Tablet



..

Queen of Dune
Gertrude Bell

cf. a true Queen of Dune – Gertrude Bell aka "Khatun", '1868 - '1926, 'Mother of Iraq', National Museum Baghdad Founder.
She deems the Dunes the sweetest of friends, and travels on where travels above her the Mother of all the clustered stars – Ta'abbata Sharran » The Desert and the Sown '1907



'Ned' (as he was known) Lawrence (a pseudonym, his father was Thomas Chapman) asked Gertrude Bell for her opinion of his self-promo book, she gave it a pass, "all but the libelous, untruthful description of yourself".

..

Early the next morning ('22) Gertrude Bell left for Ur. She was devoting more of her time now to her new museum, collecting ancient objects that gave credence to her dreams for a grand Iraq. The more proof she had of the achievements of the Sumerians, the more she could substantiate her claims that the country would return to its former greatness.

Archaeology meant tedious work, with hours spent in the broiling sun supervising the digs, examining even the most minuscule finds, but the seminal history of this land had captured her imagination. With the digging season at its end, she had, as Honorary Director of Antiquities, first rights to any treasures for the national museum.

The process of dividing the finds began with the toss of a rupee, and Gertrude won a scarab, worth a thousand pounds. Among the larger pieces, she allotted the bronzes to the archaeologist Leonard Woolley but kept for herself an important bronze milking scene encapsulating life in Sumer.

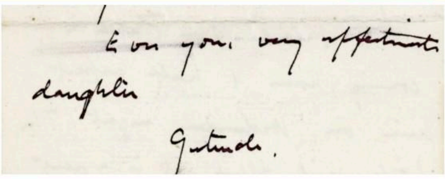
..

I haven't told you about the floods for a long time. The Euphrates, after threatening to cover the country up to the embankment of the Hillah railway, thought better of it. The Tigris is definitely going down, but one of the deputies told me the other day that the cellars of his house in the middle of Bagdad, a good deal below the river level, are 4ft. deep in water... Gertrude Bell 2vi26

like to finish this job first--indeed, I feel that I must finish it, there being no one else. But it is too lonely, my existence here; one can't go on for ever being alone. At least, I don't feel I can... ... Gertrude Bell 17vi23

It has been extremely mild for Bagdad, rarely over a hundred and the nights quite cold; but after dinner my house is stuffy and I am glad when it is time to go to bed on the roof. We are going to begin swimming which is the only agreeable form of exercise at this time of year...

I am being much enthralled by the study of seals. In the scenes of worship and domestic life depicted on those tiny cylinders I constantly find pots and things which I have actually got in the Museum. Then I suddenly place them with a much greater sense of reality. just as I placed the mace heads in the shrine of Bur Sin--I have found them on quantities of seals standing in the shrines of other gods. That is rather thrilling, isn't it... Gertrude Bell 23vi26

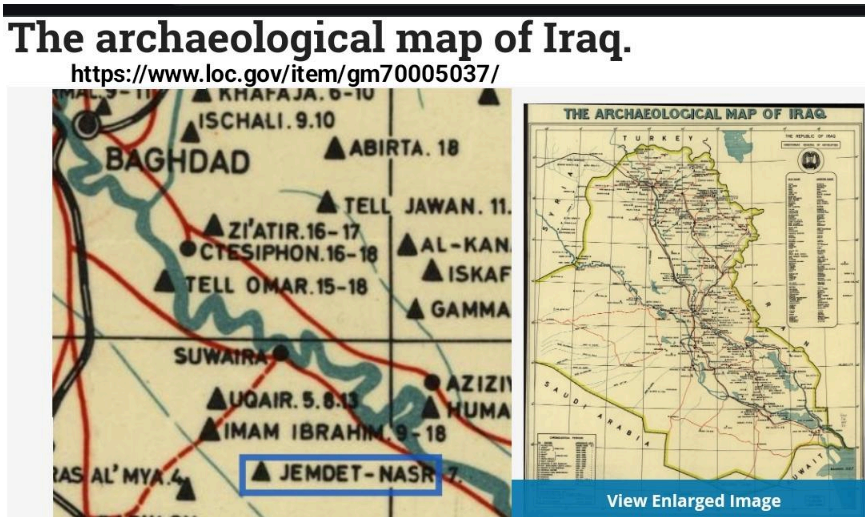

& ever your very affectionate daughter

Gertrude.

..

..

Gertrude's beloved Sumerian milking scene



Apparently many of Englund's proto cuneiform tablets had been cloistered away in a private collection for decades from the '1920s to the 80s when Bob finally got his hands on them. Ironically, maybe they are safer that way – see efforts of McGuire Gibson (who was on the '63 expedition that uncovered our beloved □□ Eshdam Tablet) following the King Bush I & II Iraq invasions over prophetically, oil » wikipedia.org/wiki/Archaeological_looting_in_Iraq

.

Baghdad Etymology

□□□□ Baghdad (bad3 120A6 + Akkad/Agade 12000-120B5-12248) fortification-river-transport-carry

□ fortification (ezen x bad) ug5 bad3 120A6

.

House of Wisdom □□ epi (Grand Library of Baghdad)

□ house e2 1208D

(□□)□ wisdom 1227F pi/bi

cf. □□ ^{d}Nisaba – Goddess of Scribes/Wisdom 12240

.

Curse of Akkad / Baghdad – over the millennia the barbarians – from the Gutians to the Mongols, to the presentday, George Bush II and ever more of them (not to mention the plagiarists & suppressors re education-spreadsheets-Hollywood) the curse of constant invasion, destruction and desecration of our western cultural heritage… poor old Sumer, has to be bad karma, indeed 💀□□□□□□□💀

.

'Sumerian' Etymology

Shumerians – Akkad name for the people of the seminal great civilization:

□□□ ki-en-gi

ki cosmic place 121A0 en lord 12097 gi the pen (is mightier than the sword) 12100

□□□□ shu-me-rí-im

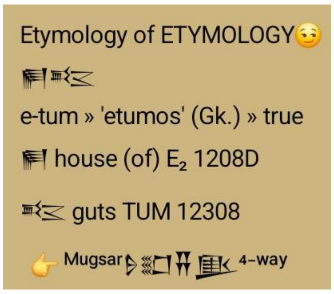
šu hand / strength 122D7 me (media) arts of civilization 12228 ri_2 civilization 12337 im tablet 1214E

First identified by Jules Oppert '1869

ex. Nabopolassar line i 4: oracc.museum.upenn.edu/ribo/Q005374

cf. shu-me-ri summer TruEtym {enlightenment cf. 'shinar' shine TruEtym}

..



Etymology of ETYMOLOGY😏

□□

e-tum » 'etumos' (Gk.) » true

□ house (of) E_2 1208D

□ guts TUM 12308

👉 Mugsar□□□□^{4}-way

.

🌘 cf. 'moon' TruEtym 🌚

Google » Latin/Greek/Indo-Euro $200k tenured Estab. Professors kowtow plagio
google.com/search?q=moon+etymology
Sumerian □ 'munus' = woman female 👉 122A9% MugsarSCD □📚
tinyurl.com/mugsar-library (MCFC Books Folder)
see also ePSD2: oracc.museum.upenn.edu/epsd2/sux/o0034484

..

Pronunciation

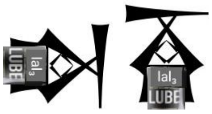
vowels

□ a - a*h* (as in father) 12000
□ e - as in peg 1208A
□ i - as in hip 1213F
□ u - as in pull 1230B
(no 'o' vowel)
š or sz : sh
ĝ or ŋ : *n*g (as in sang)
Thus, šaĝan / šaŋan
Sha*h*-*n*gan / Sha*n*gan
» Shaĝan

..

□□ 'The Good Oil' » Mugsar special lal$_3$ brand lube 😏

cf. □Shu-Suen□ – World's Oldest Love Song » □❤️ other star of the show is the prerequisite lal$_3$ (□ 122ED) brand lube {note the apt □ logo on the top} »



Now we just need to partner with a manufacturer…

..

MCFC

□👨‍🏫👩‍🏫

..

The World of Shaĝan millennia

Entrepreneur | Butter / Oil Producer | Spreadsheet Pioneer | Philanthropist

1 2 3 4 + +

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tinyurl.com/mugsar-shagan | tinyurl.com/shagan-farm | tinyurl.com/shagan-house | tinyurl.com/Shagan-Philanthropist

#mcfcShagan

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Mugsar Founder

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Peter Hogan (11956 -)

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Tara Hogan (12002 -)

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What kind of a student is a student who does not know Sumerian?

.. TOP ..